SEQUENCE LISTING

<110> Sasaki, Yukiko
Nagano, Yukio
Inaba, Takehito

<120> Light Repressible Promoter

<130> 46216

<140> US 09/700,187

<141> 2000-11-13

<150> PCT/JP00/01269

<151> 2000-3-03

<160> 40

<170> PatentIn ver. 2.0

<210> 1

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<212> DNA

<213> Pisum sativum cv. Alaska

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<223> Nucleotide sequence for a core region of light repressible promoter from the pea small GTPase gene

<400> 1
ggattttaca gt 12

<210> 2

<211> 93

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<213> Pisum sativum cv. Alaska

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<223> Nucleotide sequence for a cis element of light repressible promoter from the pea small GTPase gene

<400> 2
aaaagtaaca catattttga taaatttatt actaaaacta ttttctagta cttgttaatc 60
atgtctgagg attttacagt aataaagaaa cga 93

<210> 3

<211> 2325

<212> DNA

<213> pisum sativum cv. Alaska

<220>

<223> Nucleotide sequence for a light repressible promoter from the pea small GTPase gene

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<210> 4

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer used in Example 1

<400> 4

acggttgttg aattaccggt gttaatagag 30

<210> 5

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> NcoI primer used in Example 3

<400> 5
ggtccatggt cttgtcaaga tc 22

<210> 6

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer used for preparing PL1 in Example 3

<400> 6
gggaagcttt aaaggcaagg g 21

<210> 7

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer used for preparing PL3 in Example 3

<400> 7
acgtaaagct taaaaattca ccc 23

<210> 8

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer used for preparing PL4 in Example 3

<400> 8
aaataaagct taaaagtaac acata 25

<210> 9

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer used for preparing PL4B in Example 3

<400> 9
gtactgcagt cagacatgat taacaag 27

<210> 10

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer used for preparing PL5 in Example 3

<400> 10
aaagaagctt ggtagcccaa acaa 24

<210> 11

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer used for preparing LS1 in Example 3

<400> 11
aagcttctgc agggatttta cagtaataaa 30

<210> 12

<211> 35

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer used for preparing LS2 in Example 3

<400> 12
aagcttgtct gactgcagta cagtaataaa gaaac

<210> 13

<211> 42

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer used for preparing LS3 in Example 3

<400> 13
aagcttgtct gaggatttct gcagaataaa gaaacgaggt ag 42

<210> 14

<211> 48

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer used for preparing LS4 in Example 3

<400> 14
aagcttgtct gaggatttta cagtctgcag gaaacgaggt agcccaaa 48

<210> 15

<211> 52

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer used for preparing LS5 in Example 3

<400> 15
aagcttgtct gaggatttta cagtaataaa ctgcagaggt agcccaaaca ag 52

<210> 16

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer used for preparing PL2 in Example 3

<400> 16
tcaatgggac acgctgcctg accaccatgt 30

<210> 17

<211> 31

<212> DNA

<213> Artificial Sequence

<220>

<223> pUC19 primer used in Example 3

<400> 17
ggcgtaatca tggtcatagc tgtttcctgt g 31

<210> 18

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer used for preparing PL6 in Example 3

<400> 18
tgtcggtgca aaaaatgaaa ccccaaactt 30

<210> 19

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer used for preparing PL7 in Example 3

<400> 19
aatgtttatc ccttgcacac atttcacatc 30

<210> 20

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer used for preparing PL8 in Example 3

<400> 20
gcaaaacatc acaacctcta gaaac 25

<210> 21

<211> 39

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer used for preparing PL4c in Example 3

<400> 21
gtttggctgc agtcgtttct ttattactgt aaaatcctc 39

<210> 22

<211> 39

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer used for preparing PL4C in Example 3

<400> 22
caatactgca gtatatgtta tgatataata tgatgcagc 39

<210> 23

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> gF primer used for preparing gF1 in Example 3

<400> 23
tactgcagaa aagtaacaca tattt 25

<210> 24

<211> 31

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer used for preparing gF1 in Example 3

<400> 24
tggtgatatt gtttagatat catattattg c 31

<210> 25

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer used for preparing GF2 in Example 3

<400> 25
atgatatcca agggatttgg aaat 24

<210> 26

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer used for preparing GF3 in Example 3

<400> 26
gtgatatcgg gataaacatt ttaagg 26

<210> 27

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer used for preparing GF4 in Example 3

<400> 27
ttgatatccc gacaaagatc acac 24

<210> 28

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer used for preparing gF5 in Example 3

<400> 28
gggatatctc gtttctttat tact 24

<210> 29

<211> 31

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic DNA WT1 used in Example 8

<400> 29
gtctgaggat tttacagtaa taaagaaacg a 31

<210> 30

<211> 31

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic DNA WT2 used in Example 8

<400> 30
tcgtttcttt attactgtaa aatcctcaga c 31

<210> 31

<211> 31

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic DNA MT1 used in Example 8

<400> 31
gtctgaggct tttcccgtaa taaagaaacg a 31

<210> 32

<211> 31

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic DNA MT2 used in Example 8

<400> 32
tcgtttcttt attacgggaa aagcctcaga c 31

<210> 33

<211> 55

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer 35S46UP used in Example 9

<400> 33
aagcttggat ccctcgagct gcaggatatc gcaagaccct tcctctatat aagga 55

<210> 34

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer KZ35SDW used in Example 9

<400> 34
ttccatggaa agctgcctag gagatcctct 30

<210> 35

<211> 54

<212> DNA

<213> Artificial Sequence

<220>

<223> Origonucleotide WT3 used in Example 9

<400> 35
tgaggatttt acagtaattg aggattttac agtaattgag gattttacag taat 54

<210> 36

<211> 53

<212> DNA

<213> Artificial Sequence

<220>

<223> Origonucleotide WT4 used in Example 9

<400> 36
attactgtaa aatcctcaat tactgtaaaa tcctcaatta ctgtaaaatc tca 53

<210> 37

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer 18X9RMDW used in Example 9

<400> 37
gcgatatcct ggatcctgag gatttt 26

<210> 38

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer 18X9RMUP used in Example 9

<400> 38
agcggccgcc agtgtggata tcattactgt 30

<210> 39

<211> 54

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer MT3 used in Example 9

<400> 39
tgaggctttt cccgtaattg aggcttttcc cgtaattgag gcttttcccg taat 54

<210> 40

<211> 54

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer MT4 used in Example 9

<400> 40
attacgggaa aagcctcaat tacgggaaaa gcctcaatta cgggaaaagc ctca 54